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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/894,906	06/29/2001	Kenji Okamoto	740819-591	4646
22204 75	590 01/03/2005		EXAM	INER
NIXON PEABODY, LLP			TRAN, HIEN THI	
401 9TH STREET, NW SUITE 900			ART UNIT	PAPER NUMBER
WASHINGTO	N, DC 20004-2128		1764	

DATE MAILED: 01/03/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)				
	09/894,906	OKAMOTO ET AL.				
Office Action Summary	Examiner	Art Unit				
	Hien Tran	1764				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
1) Responsive to communication(s) filed on <u>05 Oc</u>	<u>ctober 2004</u> .					
2a) This action is FINAL . 2b) ⊠ This	action is non-final.					
	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
 4) Claim(s) 1-10 is/are pending in the application. 4a) Of the above claim(s) 8-10 is/are withdrawn 5) Claim(s) is/are allowed. 6) Claim(s) 1-7 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) 1-10 are subject to restriction and/or expressions. 	from consideration.					
Application Papers						
9) The specification is objected to by the Examiner 10) The drawing(s) filed on 29 June 2001 is/are: a) Applicant may not request that any objection to the of Replacement drawing sheet(s) including the correction 11) The oath or declaration is objected to by the Examiner	☐ accepted or b)☒ objected to drawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
a) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s)						
1) Notice of References Cited (PTO-892)	4) Interview Summary Paper No(s)/Mail Da					
 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 9/27/01 & 10/21/02 		atent Application (PTO-152)				

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DETAILED ACTION

Election/Restrictions

- 1. Applicant's election of Group I, claims 1-7, in the reply filed on 10/5/04 is acknowledged. Because applicant did not distinctly and specifically point out the supposed errors in the restriction requirement, the election has been treated as an election without traverse (MPEP § 818.03(a)).
- 2. Claims 8-10 are withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected invention, there being no allowable generic or linking claim.

 Election was made without traverse in the reply filed on 10/5/04.

Priority

3. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Drawings

The drawings are objected to as failing to comply with 37 CFR 1.84(p)(5) because they include the following reference character(s) not mentioned in the description: "6" (Fig. 2).

Corrected drawing sheets in compliance with 37 CFR 1.121(d), or amendment to the specification to add the reference character(s) in the description in compliance with 37 CFR 1.121(b) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the

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applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

5. The drawings have not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the drawings to comply with CFR 1.84(p)(5), e.g. they should include the reference sign(s) mentioned in the specification and vice versa.

Specification

6. The disclosure is objected to because of the following informalities:

On page 14, line 15 "Figure 15 shows" should be changed to --Figures 15A and 15B show--.

Appropriate correction is required.

7. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

Claim Rejections - 35 USC § 112

- 8. The following is a quotation of the second paragraph of 35 U.S.C. 112:

 The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 9. Claim 7 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 7, lines 2-6 it is unclear as to what structural limitation applicants are attempting to recite, e.g. what is meant by "... material placed in an exhaust gas alternating between a first

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period ... and a second period ...", does it mean that at a first period the material is in the exhaust gas and a second period the material is not in the exhaust gas? Or how the exhaust gas holds the material in place.

Claim Rejections - 35 USC § 102

10. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 11. Claims 1-7 are rejected under 35 U.S.C. 102(b) as being anticipated by EP 896,134.

With respect to claims 1-2, 7, EP 896,134 discloses a catalyst for exhaust gas purification comprising:

an NOx absorbent material which absorbs NOx in an exhaust gas in an environment of excess oxygen whose exhaust gas oxygen concentration level is high, whereas, when the exhaust gas oxygen concentration level becomes lower in a given temperature range, said NOx absorbent material releases said absorbed NOx;

a precious metal; and

an oxygen storage material, such as Ce-Pr oxide (see, for example, page 2, paragraph 2; page 4, paragraph 16 to page 5, paragraph 19).

Although EP 896,134 is silent as to the properties of the oxygen storage material, e.g. ability to release a larger amount of oxygen in said given temperature range in comparison with other temperature ranges, such properties are inherent therein since the oxygen storage material

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of EP 896,134 is the same as that of the instant claims. It is also noted that temperature is directed to method limitation which is of no patentable moment in apparatus claims.

With respect to claims 3-4, EP 896,134 discloses that the oxygen storage material is a Ce-Pr mixed oxide (see, for example, page 5, paragraph 19).

With respect to claim 5, EP 896,134 discloses that the oxygen material is supported on a substrate in an amount which falls within the instant range (see, for example, page 9, paragraph 43; page 10, paragraph 47).

With respect to claim 6, EP 896,134 discloses that the NOx absorbent material is supported on the oxygen storage material (see, for example, page 9, paragraph 42).

Instant claims 1-7 structurally read on the apparatus of EP 896,134.

Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Miyoshi et al is cited for showing state of the art.

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hien Tran whose telephone number is (571) 272-1454. The examiner can normally be reached on Tuesday-Friday from 7:30AM-6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Glenn Caldarola can be reached on (571) 272-1444. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

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may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

then Tran

HT December 29, 2004 Hien Tran
Primary Examiner
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